



ENERGY ASSURANCE DAILY

Thursday Evening, August 25, 2016

Storm Watch

Invest 99L Prompts NHC Tropical Wave Advisories for Puerto Rico August 25; 40 Percent Chance of Tropical Storm Formation within 48 Hours

The National Hurricane Center (NHC) on Thursday said a broad area of low pressure associated with a tropical wave is moving westward at 15–20 mph through the southeastern Bahamas. Satellite wind data and reports from an Air Force Reserve reconnaissance aircraft Thursday morning indicated that the system still lacks a closed circulation, and that the strongest winds associated with the system likely have decreased to below tropical storm strength. In addition, shower and thunderstorm activity has become significantly less organized during the past 24 hours. The NHC said that although upper-level winds are not conducive for significant development during the next day or so, they could become a little more favorable over the weekend or early next week when the wave is expected to approach southern Florida or the southeastern Gulf of Mexico. Regardless of development, heavy rains, with the potential to cause flash floods and mudslides, are likely over Hispaniola on Thursday, according to NHC. This system could produce gusty winds and locally heavy rainfall over portions of the Bahamas during the next day or two. Interests in South Florida and the Florida Keys should monitor the progress of this disturbance since it is possible that some impacts, at a minimum heavy rains and gusty winds, will occur beginning this weekend. NHC said there was a medium (40 percent) chance of formation through 48 hours and a high (70 percent) chance of formation through 5 days.

<http://www.nhc.noaa.gov/gtwo.php?basin=atlc&fdays=2>

Electricity

Thunderstorms, Tornadoes Knock Out Power to Over 55,000 Customers in Indiana, Ohio August 24

Strong thunderstorms producing several tornados knocked out power to at least 55,904 customers across Indiana and Ohio on Wednesday evening. The National Weather Service said 8 confirmed tornadoes ripped through Hendricks, Boone, Hamilton, Tipton, and Howard counties in Indiana. As of 3:30 p.m. EDT Thursday, 14,589 customers remained without power. Duke Energy, the hardest hit utility with 27,745 customer outages, said Howard County alone had 24,000 customer outages. Duke said its crews were on scene in Howard County to restore power and assess damage in the hardest hit areas. The table below shows total affected customers and the latest reported outages by utility. The “Affected” column shows the total count of customers that lost power at one point or another over the course of the storm for each utility. These outages may not have occurred concurrently and are not the same as peak outages.

Indiana, Ohio Customer Power Outages			
August 24–25, 2016			
Electric Utility	State	Affected	Latest Reported
Duke Energy	IN	27,745	14,237
IPL	IN	14,108	26
Indiana and Michigan Power	IN	1,287	107
AEP	OH	12,764	219
TOTAL*		55,904	14,589

*Total outages represent only electric utilities listed in this table.

Sources:

<http://outagemap.duke-energy.com/in/default.html>

<https://twitter.com/IPLpower>

<http://apps.iplpower.com/outages/outagemap.aspx>

<https://www.indianamichiganpower.com/outages/outageMap.aspx>
<http://www.dispatch.com/content/stories/local/2016/08/25/storms-knock-out-power-to-10000.html#>
<http://www.jconline.com/story/news/2016/08/24/storm-causes-damage-montgomery-county/89299492/>
<https://twitter.com/DukeEnergy/status/768851811239391232?lang=en>

Storms Knocks Out Power to 21,500 OPPD Customers in Nebraska August 23

Storms producing heavy rains and high winds knocked out power to 21,500 OPPD customers in Nebraska on Tuesday night. Winds up to 70 mph caused considerable damage to trees and power lines, according to the utility. As of 3:30 p.m. EDT Thursday, 2,068 customers remained without power. OPPD expects full power restoration by the end of Thursday.

<http://ww3.oppd.com/power-outage-map/>
<http://stormandoutage.com/2016/08/24/outage-restoration-placed-end-thursday-damage-worst-seen-years/>
http://www.omaha.com/weather/omahans-cleaning-up-after-storm-knocks-down-trees-takes-out/article_f56d6434-69a8-11e6-87ee-3fad45b90602.html

Update: Entergy's 653 MW Pilgrim Nuclear Unit 1 in Massachusetts Restarts, Ramps Up to 30 Percent by August 25

The unit was shut from 75 percent on August 22 to repair a valve malfunction.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

Progress Energy's 710 MW Robinson Nuclear Unit 2 in South Carolina Shut August 24

The unit shut from full power on August 24 due to a turbine trip.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>
<http://www.nrc.gov/reading-rm/doc-collections/event-status/event/2016/20160825en.html>

RRI Energy's 320 MW Etiwanda Gas-fired Unit 4 in California Shut by August 24

The unit entered an unplanned outage.

<http://content.caiso.com/unitstatus/data/unitstatus201608241515.html>

Petroleum

Citgo Reports Emissions at Its 157,500 b/d Corpus Christi, Texas Refinery August 23

Citgo Petroleum Corp reported emissions at the East Plant of its Corpus Christi, Texas refinery on August 23, according to a filing with the Texas commission on Environmental Quality.

Reuters, 17:56 August 24, 2016

Shell Says Minor Fire Extinguished at Its Deer Park, Texas Chemical Facility August 25; Refinery Unaffected

Royal Dutch Shell said its Deer Park, Texas site experienced a small fire to a unit on the chemicals side of the complex early Thursday morning. The fire was extinguished in less than 20 minutes and no injuries were reported. Shell operates a 316,600 b/d refinery at its Deer Park facility, which was unaffected by the fire.

Reuters, 11:29 August 25, 2016

Natural Gas

ExxonMobil Reports Unit Shut at Its 65 MMcf/d Dollarhide Gas Plant in Texas August 24

ExxonMobil reported the Wauk-3 unit shut on high first stage suction pressure. Water was found in the ignition panel due to thunderstorms and heavy rain. Once the panel was dried, the unit was restarted and monitored.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=242144>

Regency Reports AGI Shut at Its 290 MMcf/d Waha Gas Plant in Texas August 23

Regency reported the acid gas injector (AGI) compressor was shut to repair a tubing leak. The tubing was repaired and replaced and the AGI compressor was rest and restarted.

<http://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.getDetails&target=242114>

Other News

Nothing to report.

International News

Nothing to report.

Energy Prices

U.S. Oil and Gas Prices August 25, 2016			
	Today	Week Ago	Year Ago
CRUDE OIL West Texas Intermediate U.S. \$/Barrel	46.92	48.15	39.43
NATURAL GAS Henry Hub \$/Million Btu	2.77	2.71	2.63

Source: Reuters

Links

This Week in Petroleum from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

Weekly Petroleum Status Report from EIA

http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

Natural Gas Weekly Update from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

ENERGY ASSURANCE DAILY

Energy Assurance Daily provides a summary of public information concerning current energy issues. Published Monday through Friday to inform stakeholders of developments affecting energy systems, flows, and markets, it provides highlights of energy issues rather than a comprehensive coverage. *Energy Assurance Daily* is updated online Monday through Friday after 5:00 p.m. ET. For more information, visit the Infrastructure Security and Energy Restoration (ISER) website at:

<http://www.oe.netl.doe.gov/ead.aspx>

Please direct comments and questions to: ead@oe.netl.doe.gov